

## LOG OF MEETING

### DIRECTORATE FOR ENGINEERING SCIENCES

**SUBJECT:** Meeting with Atlantic Thread and Supply Company, Inc.

**DATE OF MEETING:** June 5, 2002

**DATE OF LOG ENTRY:** June 28, 2002

**SOURCE OF LOG ENTRY:** Allyson Tenney, ESME (AT)

**LOCATION:** National Institute of Standards and Technology (NIST)  
Gaithersburg, Maryland

**CPSC ATTENDEES:** Margaret Neily, Engineering Sciences  
Allyson Tenney, Engineering Sciences

**NON-CPSC ATTENDEES:** Thomas Ohlemiller, NIST  
Vincent Diaz, Atlantic Thread and Supply Company  
Charles Eversen, Advance Fiber Technologies Corporation

### SUMMARY OF MEETING:

Atlantic Thread and Supply Company, Inc. presented information on sewing thread technologies used in mattress constructions that exhibited favorable performance when subjected to preliminary flammability test procedures. A newly developed component test method, *Standard Specification for Edge Binding Components used in Mattresses*, was presented by Atlantic Thread. The test method is in its final stages of development and will be presented to ASTM International when completed. Using the newly developed test method, various sewing threads, edge bindings and mattress components were tested. Preliminary test results, particularly for breaking strength as it applies to mattress seam performance, were shared during the meeting. Based on NIST observations of overpressurization during full-scale tests, Atlantic Thread will increase the initial break strength required for thread specified in the test method. The Atlantic test method is similar in concept to the screening test being developed by NIST for CPSC. Further testing of the methodology and a comparison to full-scale burning behavior is intended.

CPSC 6 (b)(1) Cleared

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